W22b NeXT/XRT：軟 X 線較正実験施設 (ISAS BL)

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We present a plan for an ISAS calibration facility for large size X-ray optics of NeXT. For the NeXT mission, two soft X-ray telescopes (SXT: see Ogasaka et al. 2008 in this volume) are strongly expected. Following to the Suzaku X-ray telescope, the mirrors on SXTs are tightly nested to maximize the aperture efficiency. To illuminate the mirrors at all, we plan to adopt a pencil beam collimated from an X-ray generator, the maximum voltage for which is 60 kV. By combining two stage systems for the telescope and a focal plane detector, the pencil beam dynamically sweeps across a circular region of a telescope with the radius of 60 cm (TBD), which works as a parallel beam with the 60 cm meter ϕ. In the ISAS facility, we have another beam system, the movable pencil beam and the inverse telescope (e.g., Maeda et al. 2002). By combining these available systems, we present possible options for the calibration plan of the NeXT X-ray telescope.